

पेटेंट कार्यालय  
शासकीय जर्नल

**OFFICIAL JOURNAL  
OF  
THE PATENT OFFICE**

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निर्गमन सं. 49/2021  
ISSUE NO. 49/2021

शुक्रवार  
FRIDAY

दिनांक: 03/12/2021  
DATE: 03/12/2021

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पेटेंट कार्यालय का एक प्रकाशन  
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202111055007 A

(19) INDIA

(22) Date of filing of Application :28/11/2021

(43) Publication Date : 03/12/2021

(54) Title of the invention : Process for producing refined nutraceutical composition from Corchorus depressus (L.)

(51) International classification :C07D0417140000, C12N0009880000, C07D0239660000, G16C0020300000, G01N0024080000

(86) International Application No :NA  
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA  
Filing Date :NA

(62) Divisional to Application Number :NA  
Filing Date :NA

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(57) Abstract :

The present invention relates to a novel process for synthesis of newer derivatives of Thiobarbituric Acid for anticonvulsant potential. Thiobarbituric acid derivatives have been produced in a sequence. IR, <sup>1</sup>HNMR, <sup>13</sup>CNMR, and Mass spectroscopy were used to characterize the structures of freshly synthesized substances. In order to estimate their drug-like candidates, a number of physiochemical and pharmacokinetic parameters of synthesised compounds were estimated. With special reference to carbonic anhydrase enzyme-2, molecular docking was performed on these produced compounds. The PTZ method was used to screen the produced compounds for anticonvulsant action as carbonic anhydrase enzyme inhibitors. Among all anticonvulsant compounds, B-3 ((Z)-6-((4-(4-nitrophenoxy)phenyl)imino)-2-thioxotetrahydropyrimidin-4(1H)-one) exhibited the highest anticonvulsant effects.

No. of Pages : 19 No. of Claims : 6

**FORM13**

THE PATENTS ACT,  
1970(39 of1970)


and

THE PATENTS RULES, 2003

**APPLICATION FOR AMENDMENT OF THE APPLICATION FOR  
PATENT/COMPLETE SPECIFICATION/ANYDOCUMENT RELATED**

**THERE TO**

[See section57; sub-rule(1)of rule81]

<p>1.Name of the applicant(s).</p>	<p>I, <b>Arun Kumar Mishra</b> request leave to amend the title of the invention with respect to application No. 202111055007 dated 28/11/2021 as highlighted in the copy here to annexed.</p> <p>My/Our reason for making this request areas follows:-</p> <ol style="list-style-type: none"><li>1. Typographical error in form 1 for title of invention.</li><li>2. The title on complete specification (form 2) is correct.</li><li>3. To correct the title of the invention as “Anticonvulsant compound and its synthesis method” instead of“Process for producing refined nutraceutical composition from <i>Corchorus depressus</i> (L.)”.</li></ol> <p>I/We declare that no action for infringement or for the revocation of the patent in question is pending before Appellate Board or a Court.</p> <p>I/We declare that the facts and matters stated herein are true to the best of my/our knowledge information and belief.</p>
<p>2.To be signed by the applicant(s) or patentee(s) or by his authorized registered Patent agent.</p>	<p>Dated his 6<sup>th</sup>day of December2021</p> <p> Signature</p>

3.Name of the natural person who has signed	(Dr. Arun Kumar Mishra)
	To The Controller of Patents,The Patent Office,at Delhi
Note.-For fee:See First Schedule.”;	